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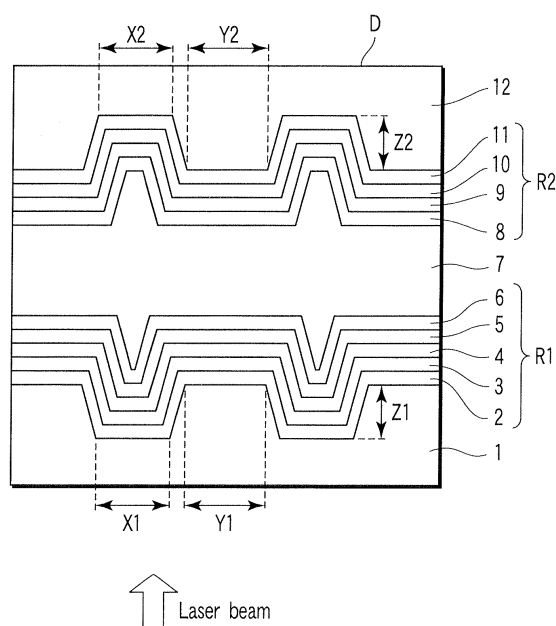
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(54) **Optical disk and optical disk device**

(57) According to one embodiment, there is provided An optical disk including a first information layer (R1) having first guide grooves consisting of a first protrusive flat portion having a first width ( $X_1$ ) formed close to the light incidence side and a first recessed flat portion having a second width ( $Y_1$ ) having a first height difference ( $Z_1$ ) from the first protrusive flat portion and formed close to the opposite side of the light incidence side, the first information layer being formed on the transparent substrate layer, a second information layer (R2) having second guide grooves consisting of a second protrusive flat portion having a third width ( $Y_2$ ) formed close to the light incidence side and a second recessed flat portion having a fourth width ( $X_2$ ) having a second height difference ( $Z_2$ ) from the second protrusive flat portion and formed close to the opposite side of the light incidence side, the second information layer being formed on the adhesive layer, wherein a cycle  $P$  ( $\mu\text{m}$ ) of the first and second guide grooves has a value ranging from  $0.35 \mu\text{m}$  to  $0.8 \mu\text{m}$  and has a relationship of  $Q_1 = 2Z_1/(P - X_1 - Y_1)$ ,  $Q_2 = 2Z_2/(P - X_2 - Y_2)$ ,  $0.9 < Q_2/Q_1 < 1.5$ , and  $1 < X_1/Y_1 < 4$ ,  $0.25 < X_2/Y_2 < 1$  is satisfied.



**FIG. 1**



European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 07 10 2392

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>6 October 2008</b>	Examiner <b>Poth, Hartwig</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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The members are as contained in the European Patent Office EDP file on  
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